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Date: January 06, 2006
Reviewed by: Location (RSCR)
Date: 1-10-2006
Approved by: (C-A Dept. Ghair)
Date: 1006

LINAC RADIATION SECURITY CHECK-OFF LIST

	(Date/Time)	(L
,	(Tag #)	3 1	(Date/Time Tag Remove
(ACG)	Functional check of Linac/H	EBT interlocks comp	leted.
(LP)	Beam stops: LEBT BS-1, LELTB #2 in place and function		304, HEBT NZ307, LTB #1,
(LP)	Gates inspected and signs in a. Tank I gate b. HEBT plug door/s c. AGS-HEBT gate d. Tank 9 gate e. HEBT gate f. BLIP tunnel gate g.REF tunnel		
(LP) Ch	Tank 6/7 inte Tank 8/9 inte	oment bay:	tion

(ACG) Functional checkout of chipmunks complete: a. BLIP Pump House (NM061 & NM065) b. Linac lower equipment bay: Tank 4/5 alcove (NM063) Tank 6 low energy transmission line penetration Tank 6/7 intertank vacuum penetration Tank 8/9 intertank vacuum penetration Cable tray downstream of Tank 9 (NM062) Tank 1 gate (NM068)
(ACG) Following chipmunks tied in to security system, interlocking LEBT BS-1 & BS-2, and tested: 1. BLIP pump house chipmunks (NM061 &NM065) 2. Tank 4/5 alcove chipmunk (NM063) 3. Tank 1 gate (NM068)
(MCRH) "Temporary procedure to access AGS during proton (HEBT) operation at linac" in place.
(WG) Check that the BLIP transport water pump house gate is locked.
(RCD) BLIP pump house posted as a High Radiation Area.
(RCD) Area around the BLIP pump house posted as a Radiation Area.
(WG) Checklist for entry into the BLIP pumphouse posted on the pumphouse entrance.
(LP) Check shielding of Linac Lower Equipment Bay.
(LP) Check shielding of AGS-Linac interface
(LP) Check shielding of TTB-Linac interface.
(LP) Check shielding of TTB-Booster interface.
(LP) Check shielding of Linac-Booster interface.
(LP) Check shielding of BLIP tunnel-REF tunnel interface.
(LP) BLIP locked off or BLIP Radiation Security Check-Off List completed.
(LP) REF D3 and D4 power supplies locked off.
(BP) Booster Check-Off List completed or any two (2) of the following locked out: LTB #1 Beam stop, LTB #2 Beam stop, DH1 power supply, DH2-5 power supply (see Booster Check-Off List).
(LP) HEBT beam stops NZ 304, NZ 307 permanently in the beam, and red-tagged by a LP radiation security red tag.

(]	LP) The Linac has been reviewed for compliance with the Operational Safety Limits a given in OPM 2.5.
(]	LP) Linac ready for beam.
When t	he above items are completed, the Linac may be unlocked for operation.
	ing establishment of 200 MeV beam, the following should be completed before ro on begins:
(I	RCD) Tank 1 gate / LEBT area surveyed and properly posted.
(MCR) List completion verified by on duty operations coordinator.
ACG BLP BP RCD	C-A Access Controls Group Liaison Physicist for BLIP Liaison Physicist for the Booster Radiation Controls Division

RSCR Radiation Safety Committee Representative WG Water Group

Radiation Controls Division Liaison Physicist for the Linac

MCRH Head of Main Control Room

LP